

Office of Naval Research International Field Office

Trip Report No. II

Visit to ONR Code 311, Code 32, Lamont-Doherty Earth Observatory

Dr. Douglas W. Edsall

August 3, 6 and 7, 2001

These reports summarize global activities of S&T Associate Directors of the Office of Naval Research International Field Offices (ONRIFO). The complete listing of newsletters and reports are available under the authors' by-line on the ONRIFO homepage: <http://www.ehis.navy.mil/http://www.ehis.navy.mil/onrnews.htm> or ONRIFO-Asia homepage: <http://www.onr.navy.mil/onrasia/>, or by email to respective authors.

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Key Words: *ONRHQ Visit; ONRIFO Workshop; Lamont-Doherty Earth Observatory; Hudson River Study; Indonesian Through-flow Experiment*

1. Summary

During the period August 3, 6 and 7 individual visits were made to ONR Code 311 Project Officer Dr. Reza Malek-Madani, various Project Officers at Code 32 and to Lamont Doherty Earth Observatory (LDEO). Each of these meetings was productive in their own right. The ONR visits provided the individual project officer's perspective on the direction of ONRASIA's OAS effort for the near term.

The LDEO visit provided insight into its decision to become more deeply involved in cooperation and collaboration with Asian-Pacific scientists and to share its technological expertise in order to solve problems of a scientific nature, but with a humanitarian benefit.

2. Background

The meeting with Dr. Reza Malek-Madani, Code 311 (also Director of Research at the United States Naval Academy), was to discuss a proposed workshop tentatively planned for late 2001/early 2002. Original topic was applications of a modeling approach to oceanic and atmospheric transport and mixing. Code 311 has been

sponsoring this type of work. The workshop sponsorship was to be through an ONRASIA CSP and was to involve a select group of Asian-Pacific modelers with their American counterparts.

The trip to visit Project Officers in Code 32 was made to become more familiar with ongoing projects they support. This was done in preparation for accompanying Dr. Craig Dorman on his S & T fact-finding visits to: Manila, Philippines; Hong Kong, SAR; Hanoi, Vietnam; and Bangkok, Thailand.

Dr. G. Michael Purdy, Director of LDEO, through Dr. William Ryan, had expressed an interest in establishing cooperation/collaboration with scientists in Asian Pacific countries. This meeting was to acquire information on the type of projects Lamont wished to actively pursue. Of particular interest on this visit was a briefing on the results of Lamont's highly successful Hudson River study.

During July, I had assisted Dr. Arnold Gordon of LDEO in finding an international collaborator for his proposed Indonesian Through-flow Experiment (ITF) submission to NSF. A visit to JAMSTEC and correspondence with OPRC at SOEST in Hawaii had led to preliminary commitments for assistance. This visit was to check on the status of efforts to date.

3. Highlights of discussions

Code 311: A decision was made to table the preliminary conference topic choice of a modeling approach to oceanic and atmospheric transport and mixing and to instead work on developing a topic in the field of de-mining. A second meeting will be held in late September to further develop this idea. Dr. Doug Todoroff and others with an interest in this topic will be contacted for interest and input.

Code 32: These visits involved those Project Officers and directors I had not met prior to reporting to Tokyo and was a return visit to some I had met in May. To date most interaction with ONR HQ has involved ASIAEX.

I have had e-mail correspondence with other Project Officers in the interim as I meet scientists and attempt to find answers to questions raised by them and e-mails to this office. Questions usually involve ONR interest in a scientist's work, requests for VSP and CSP funding, as well as a check on the status of previous funding requests. In general, this visit was to open or extend the lines of communication between the OAS Liaison Scientist in Tokyo and headquarters and to get to know the individuals on a personal level.

Director of LDEO: This meeting centered on the institution's desire to move from a focused scientific research program that has been their trademark for more than 50 years to one that address public needs more directly. One very well received example of this new direction in Lamont research has been their Hudson River Study for the State of New York.

I left with the Director's promise to actively pursue contacts with Asian-Pacific scientists who had an interest in cooperation/collaboration with Lamont. It was my intention to present his interest to scientists I met on my trip to Manila, Hong Kong, Hanoi and Bangkok with Dr. Dorman. ONRIFO VSP support might be sought for some of the more promising mutual projects.

Dr. Gordon: The attempts of the ONRIFO Tokyo OAS Liaison Scientist to help with his ITF project were appreciated. I also met his colleague, Dr. Susanto, whom I will see in Seoul where he is presenting a paper and chairing a session at the Fifth IOC/WESTPAC International Science Symposium, August 27-31, 2001.

4. Assessment

Code 311: Discussions on organizing a workshop on a topic such as "The Geophysical Approach to De-mining Problems" to be held at the Western Pacific Geophysics Conference in New Zealand in July 2002 or perhaps in Vietnam are underway. Other ONR codes and members of the AGU and their affiliated societies will be contacted for input.

Code 32: Attempts to strengthen interaction between the Project Officers and the Liaison Scientist are underway. The next series of meetings/visits will be in late September. In October I will attend the ASIAEX meeting in Maui.

LDEO: The most likely positive result of this visit will be a cooperative/collaborative project between Lamont and scientists from Vietnam, Hong Kong or the Philippines. Dr. Robin Bell's brief on the Hudson River Study was excellent. Work of this type would be well suited to coastal and river areas in Vietnam, the Philippines and the Pearl River Estuary near Macao, SAR where it enters the South China Sea.

Dr. Gordon: His ITF experiment will come to fruition. If the JAMSTEC or IPRC contacts cannot deliver because of funding limitations or unforeseen problems, other collaborators will be found.

5. Points of Contact

ONR HQ:

Dr. Reza Malek-Madani, ONR 311, (703) 696-4314, malekmr@onr.asia.navy

Dr. Roy Wilkens, ONR 322, Marine Geosciences IPA, (703) 696-7237, wilkenr@onr.navy.mil

Dr. Douglas Todoroff, ONR 32 CM, (703) 2485, todorod@onr.navy.mil

Dr. Joan Cleveland, ONR 322, (703) 696-4532, clevelj@onr.navy.mil

Dr. Melbourne Briscoe, ONR 322, (703) 696-4120, briscom@onr.navy.mil

Dr. Frank Herr, ONR 321, (703) 696-4125, herrf@onr.navy.mil

Dr. Steven Ramberg, ONR 32, (703) 696-4358, rambers@onr.navy.mil

Lamont-Doherty Earth Observatory (LDEO):

Dr. G. Michael Purdy, Director
P.O. Box 1000, Palisades, NY 10964
Tel: 845-365-8348; Fax: 845 365-8162
mpurdy@ldeo.columbia.edu

Dr. Arnold Gordon, agordon@ldeo.columbia.edu

Dr. R. Dwi Susanto, dwi@ldeo.columbia.edu

Dr. Robin Bell, rbell@ldeo.columbia.edu.

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